

Skyler J. Cranmer

Carter Phillips and Sue Henry Associate Professor of Political Science

Department of Political Science
The Ohio State University
2140 Derby Hall, 154 N. Oval Mall
Columbus, OH 43210

Phone: 614-292-4529
Fax: 614-292-1146
Email: cranmer.12@osu.edu
Web: www.skylercranmer.net

Appointments:

- 2014 - Present **The Ohio State University**
Carter Phillips and Sue Henry Associate Professor, Department of Political Science
- 2008 - 2014 **University of North Carolina, Chapel Hill**
Assistant Professor, Department of Political Science
- 2013 - 2015 **University of Konstanz**
Alexander von Humboldt Fellow
- 2012 - 2013 **University of Bern**
Visiting Professor, Institute for Political Science
- 2007 - 2008 **Harvard University**
Post-Doctoral Fellow, Department of Government
Institute for Quantitative Social Science
- 2006 - 2007 **Harvard University**
Visiting Pre-Doctoral Fellow, Department of Government
Institute for Quantitative Social Science

Education:

Degrees

- 2007 **University of California, Davis** Ph.D., Political Science
- 2007 **University of California, Davis** M.A., Political Science
- 2003 **San Francisco State University** M.A., International Relations
- 2002 **San Francisco State University** B.A., Criminal Justice *Summa Cum Laude* [3.94]

Nondegree Coursework

- 2010 **International Workshop on Statistical Genetics and Methodology of Twin and Family Studies**
Boulder, Colorado
- 2008 **Santa Fe Institute**
Complex Systems Summer School
- 2006 **Summer Workshop on Teaching about Terrorism (SWOTT)**
Summer Training Program, College of William and Mary
- 2005 **Inter-University Consortium for Political and Social Research (ICPSR)**
Summer School, University of Michigan
- 2004 **University of California, San Diego**
Summer Training Program in Public Policy and Biological Threats

Major Grant Awards

6. "Development of a statistical framework for the analysis of social network predictors of therapeutic community outcomes" 2018-2021. National Institutes of Health, National Institute on Drug Abuse. (R-34, DA043079-01A1,

- \$690,729) [with Keith Warren and Ben Campbell]
5. Accelerator Award for Technology Commercialization, State of Ohio and Ohio State University 2018, (\$75,000)
 4. "Panic & Pandemic: Information, Diffusion Dynamics, and the Management of Public Health Crises." 2015-2017. National Science Foundation. (SES-1514750, \$154,286)
 3. "The Bipartite Temporal Event Network (BiTEN) Model." National Science Foundation. 2015-2017 (SES-1461493, \$120,158)[with Bailey Fosdick and Tobias Bohmelt]
 2. "Specification and Estimation of Exponential Family Random Graph Models for Weighted Networks" National Science Foundation. 2014-2016. (SES-1357622, \$135,7622) [with Bruce A. Desmarais and Shankar Bhamidi]
 1. Alexander von Humboldt Fellowship for Experienced Researchers (56,700 EUR) [2013-16]

Book

"Inferential Network Analysis" Accepted at *Cambridge University Press*, to appear early 2019 [with Bruce A. Desmarais and Jason Morgan]

Journal Articles and Book Chapters:

40. "A Consistent Organizational Structure Across Multiple Functional Subnetworks of the Human Brain" Accepted 2019 at *Neuroimage* [with Paul Stillman, James Wilson, Matthew Denny, Bruce Desmarais, and Zhong-Lin Lu].
39. "Infectivity Enhances Prediction of Viral Cascades in Twitter" Accepted 2019 at *PLoS-One* [with Weihua Li and Peter Mucha].
38. "Latent influence networks in global environmental politics" Accepted 2019 at *PLoS-One* [with Ben Campbell, Frank Marrs, Toias Bohmelt and Bailey Fosdick]
37. "Introduction to the Virtual Issue: Machine Learning in Political Science" 2019 *Political Analysis*. Note: I edited the virtual issue and this introduction only went through editorial review.
36. "Relationship between network clustering in a therapeutic community and reincarceration following discharge" 2018 Accepted *Journal of Substance Abuse Treatment* [with Keith Warren, Benjamin Campbell, and Nathan Doogan]
35. "Network Interdependencies and the Evolution of the International Arms Trade" 2018 Accepted *Journal of Conflict Resolution* [with Paul Thurner, Christian Schmidt, and Goeran Kauermann]
34. "Weighted Exponential Random Graph Models: Scope and Large Network Limits" 2018 Accepted *Journal of Statistical Physics* [with Shankar Bhamidi, Suman Chakraborty, and Bruce Desmarais] <https://doi.org/10.1007/s10955-018-2103-0>
33. "When It's Not All About Me: Altruism, Participation, and Political Context" in *Choice and Duty: The Evolution of the Study of Voting and Voters*. Forthcoming, University of Toronto Press. [with Cindy D. Kam and James H. Fowler]
32. "A theoretical and empirical comparison of the temporal exponential random graph model and the stochastic actor-oriented model." 2019 *Network Science* 1-32 [with Philip Leifeld]
Received the Political Network Section's Best Conference Paper Award in 2015.
31. "Therapeutic community graduates cluster together in social networks: Evidence for spatial selection as a cooperative mechanism in therapeutic communities." 2017 Accepted. *Addictive Behaviors* [with Keith Warren, Benjamin Campbell, and Carole Harvey]
30. "Statistical Inference in Political Networks Research" *Oxford Handbook of Political Networks*. 2017 [with Bruce A. Desmarais]
29. "Statistical Modeling of the Default Mode Brain Network Reveals a Segregated Highway Structure" 2017 Accepted. *Scientific Reports* [with Paul Stillman, James Wilson, Matthew Denny, Bruce Desmarais, Shankar Bhamidi, and Zhong-Lin Lu]
28. "Coalition Quality and Multinational Dispute Outcomes." 2017 Accepted. *International Interactions*. [with Elizabeth Menninga]
27. "Affinity Communities in United Nations Voting: Implications for Cooperation, Conflict, and Democracy." 2017,

- Vol. 45, pp. 428-439 *Physica A*. [with Scott Pauls]
26. "A Three-Degree Horizon of Peace in the Military Alliance Network" *Science Advances*, 2017, 3(3): e1601895 [with Weihua Li, Aisha E. Bradshaw, and Caitlin B. Clary]
 25. "What we can Learn from Predictive Modeling" *Political Analysis*, 2017, 25 (2), pp. 145-166 [with Bruce A. Desmarais]
 24. "Position Taking in the Euro Crisis" *Journal of European Public Policy*, 2016 Accepted [with Klaus Armingeon]
 23. "Stochastic Weighted Graphs: Flexible Model Specification and Simulation" *Social Networks*, 2017, vol. 49, pp. 37-47 [with James D. Wilson, Matthew J. Denny, Shankar Bhamidi, and Bruce A. Desmarais]
 22. "Temporal Exponential Random Graph Models with btergm : Estimation and Bootstrap Confidence Intervals" *Journal of Statistical Software*, 2016 Accepted [with Philip Leifeld and Bruce A. Desmarais]
 21. "Navigating the Range of Statistical Tools for Inferential Network Analysis." *American Journal of Political Science*, 2017, 61 (1): 237-251 [with Philip Leifeld, Scott McClurg, and Meredith Rolfe]
 20. "A Critique of Dyadic Design." *International Studies Quarterly*, 2016 60, no. 2 (2016): 355-362. [with Bruce A. Desmarais]
 19. "What to do about Atheoretic Lags." *Political Science Research and Methods*, 2015 , pp. 1-25. doi: 10.1017/psrm.2015.36 [with Douglas Rice and Randolph Siverson]
 18. "Kantian Fractionalization Predicts the Conflict Propensity of the International System." *Proceedings of the National Academy of Sciences* 2014, 112 (38): 11812-11816. [with Elizabeth J. Menninga, and Peter J. Mucha] *Received the Political Network Section's Best Paper Award in 2016*
 17. "Reciprocity and the Structural Determinants of the International Sanctions Network." *Social Networks*. 2014, 36: 5-22 [with Tobias Heinrich and Bruce A. Desmarais]
 16. "The Color of our Skin or the Content of our Character? The Impact of Hispanic and White Group Cues on Attitudes Towards the Violation of Generic Norms." *PLOS-one* 2013, 8(12). DOI: 10.1371/journal.pone.0083154. [with Mirjam Cranmer]
 15. "Forecasting the Locational Dynamics of Transnational Terrorism: A Network Analytic Approach" *Security Informatics*. 2013, 2 (8). [with Bruce A. Desmarais]
Note: this is an extended version of the article of the same title (also peer reviewed) published in the *IEEE Proceedings of the European Intelligence and Security Informatics Conference (EISIC) 2011*.
 14. "We Have to Be Discrete About This: A Non-Parametric Imputation Technique for Missing Categorical Data" *British Journal of Political Science*. 2013, 43 (2): 425-449.[with Jeff Gill]
 13. "Micro-Level Interpretation of Exponential Random Graph Models with Application to Estuary Networks" *Policy Studies Journal* 2012, 40(3): 402-434. [with Bruce A. Desmarais]
 12. "Complex Dependencies in the Alliance Network" *Conflict Management and Peace Science* 2012, 23(3): 279-313. [with Bruce A. Desmarais, and Elizabeth J. Menninga]
 11. "Towards a Network Theory of Alliance Formation" *International Interactions* 2012, 38(3): 295-324. [with Bruce A. Desmarais, and Justin H. Kirkland]
 10. "The Heritability of Foreign Policy Preferences" *Twin Research and Human Genetics*. 2012, 15(1): 52-59. [with Christopher T. Dawes]
 9. "Statistical Mechanics of Networks: Estimation and Uncertainty." *Physica A*. 2012, 391(4): 1865-1876. [with Bruce A. Desmarais]
 8. "Statistical Inference for Valued-Edge Networks: The Generalized Exponential Random Graph Model" *PLoS-ONE*. 2012, 7(1):e30136. [with Bruce A. Desmarais]
 7. "Inferential Network Analysis with Exponential Random Graph Models." *Political Analysis*. 2011, 19(1): 66-86. [with Bruce A. Desmarais]
Reprinted in the *Political Analysis* virtual issue on Big Data in Political Science.
 6. "Consistent Confidence Intervals for Maximum Pseudolikelihood Estimators." *Neural Information Processing Systems 2010 Workshop on Computational Social Science and the Wisdom of Crowds*. 2010 [with Bruce A. Desmarais]
 5. "Demography, Democracy, and Disputes: The Search for the Elusive Relationship Between Population Growth

- and Conflict” *Journal of Politics*. 2008, 70(3): 794-806. [with Randolph M. Siverson]
4. “Do Governments of the Left Attract more Terrorism than Governments of the Right?” *Conflict Management and Peace Science*. 2007, 24(4): 311-326.
 3. “Book Review: Hezbollah” *Journal of Conflict Studies*. 2008, 28
 2. “Hizballah.” In Richard F. Pilch and Raymond A. Zilinskas (Editors), *Encyclopedia of Bioterrorism Defense*. 2005, John Wiley and Sons.
 1. “Palestine Liberation Organization.” In Richard F. Pilch and Raymond A. Zilinskas (Editors), *Encyclopedia of Bioterrorism Defense*. 2005, John Wiley and Sons.

Revise and Resubmit

2. “Inferring Influence Networks from Longitudinal Bipartite Relational Data.” Revise and Resubmit at the *Journal of Computational and Graphical Statistics* [with Frank Marrs, Ben Campbell, Bailey Fosdick, and Tobias Böhmelt]
1. “The Contagion of Democracy Through International Networks.” Revise and Resubmit at *Social Networks* [with Bruce Desmarais and Ben Campbell]

Submitted

4. “Triangulating War: Network Structure and the Democratic Peace.” Submitted to JCR [with Benjamin W. Campbell and Bruce A. Desmarais]
3. “A Fast, Easy, and Stable Approach to Dynamic Analysis.” Submitted to Political Analysis [with Daniel Kent and James Wilson]
2. “Race, Gender and Cosponsorship in the U.S. Congress.” Submitted to PRQ [with Alison Craig, Bruce A. Desmarais, Chris J. Clark, and Vincent Moscardelli]
1. “The Network Science of International Aid.” Submitted to Science [with Caleb Pomeroy, David Melamed, and Brent Simpson]

Software

8. “b1in: Bipartite Longitudinal Influence Network (BLIN) Estimation” [with Frank Marrs, Bailey Fosdick and Ben Campbell]
7. “gergm: Estimation and Fit Diagnostics for Generalized Exponential Random Graph Models.” [with Matthew Denny, James Wilson, Bruce Desmarais, and Shankar Bhamidi]
6. “xergm: An R Package for Extensions of Exponential Random Graph Models.” [with Philip Leifeld and Bruce A. Desmarais]
5. “hot.deck: An R Package for Multiple Hot Deck Imputation.” [with Dave Armstrong, Nathalie Jackson, and Jeff Gill]
4. “a1reg: An R Package for Analyzing Models with Atheoretic Lags.” [with Douglas Rice and Randolph M. Siverson]
3. “Generalized Additive Model Functionality from the mgcv Package.” In Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone’s Statistical Software*. (2007)
2. “Social Network Regression Functionality from the netglm Package.” In Kosuke Imai, Gary King, and Olivia Lau. *Zelig: Everyone’s Statistical Software*. (2007)
1. “Social Network Analysis Functionality from the sna Package.” In Kosuke Imai, Gary King, and Olivia Lau. *Zelig: Everyone’s Statistical Software*. (2007)

Invited Talks and Workshops

36. “Introduction to ERGMs and TERGMs” Workshop given at the Political Networks Conference, Washington D.C. (Summer 2018)
35. “Network Properties of the Democratic Peace” Invited lecture at Washington University, St. Louis (Spring 2018).
34. “Network Properties of the Democratic Peace” Invited lecture at Northeastern University, Boston (Winter 2017).
33. “Introduction to ERGMs and TERGMs” Workshop given at the Political Networks Conference, Columbus Ohio (Summer 2017)

32. "Network Analysis from Description to Inference with and Emphasis on Applications in R," UC Berkeley on behalf of ICPSR (Summer 2016)
31. "Introduction to ERGMs" Workshop given at the Political Networks Conference, St. Louis Missouri (Summer 2016)
30. "Introduction to ERGMs" Workshop given at the Political Networks Conference, Portland Oregon (Summer 2015)
29. "Inferential Network Analysis" Workshop given at Polnet Plus, University of Konstanz (Spring 2015)
28. "Inferential Network Analysis" Workshop given at Polnet Plus, University of Konstanz (Spring 2014)
27. "Inferential Network Analysis" Workshop given at the University of Zurich (Spring 2014)
26. "Inferential Network Analysis" Workshop given at the ECPR Winter School (Spring 2014)
25. "Topological Modeling with the Generalized Exponential Random Graph Model" Invited lecture given at the University of Konstanz (Spring 2014)
24. "Statistical Inference for Relational (Network) Data using Exponential Random Graph Models." Workshop given at the University of Konstanz (Fall 2013)
23. "Kantian Modularity Predicts the Conflict Propensity of the International System" Invited lecture given at the Ohio State University (Fall 2013)
22. "Round Table Discussion: What Network Analysis Problems will be Solved in the Next Ten Years" Applications of Social Network Analysis conference, University of Zurich. (Fall 2013).
21. "Statistical Inference for Relational (Network) Data using Exponential Random Graph Models." Workshop given at the Applications of Social Network Analysis conference, University of Zurich. (Fall 2013).
20. "Spatial Effects, Network and Geographic, Affecting the Spread of Democracy." Presented at the Center for Advanced Studies, LMU Munich (Fall 2013).
19. "Advanced ERG Analysis" Workshop given at the LMU, Munich. (Fall 2013).
18. "Spatial Effects, Network and Geographic, Affecting the Spread of Democracy." Presented at the EU Center of Texas A&M University (Spring 2013).
17. "Exponential Random Graph Modeling: Cross Sectional, Temporal, and Valued." Workshop given at the LMU, Munich. (Fall 2012).
16. "Social Network Analysis and Exponential Random Graph Modeling" Workshop given at the University of Zurich. (Fall 2012)
15. "Kantian Modularity Predicts the Conflict Propensity of the International System." Invited talk given in the Advanced Social Network Analysis Series, ETH Zurich. (Fall 2012)
14. "Statistical Inference for Relational (Network) Data using Exponential Random Graph Models." Workshop given at the Applications of Social Network Analysis conference, University of Zurich. (Fall 2012).
13. "Health Behavior and Social Networks: A Conjecture About How the Social Sciences can Contribute to Social and Preventive Medicine." Invited talk given at the University of Bern. (Fall 2012).
12. "Forecasting the Locational Dynamics of Transnational Terrorism: A Network Analytic Approach." Invited talk given the Ohio State University. (Spring 2012)
11. "Forecasting the Locational Dynamics of Transnational Terrorism: A Network Analytic Approach." Invited talk given at Texas A&M University. (Spring 2012)
10. "The n^{th} Order Efficacy of Alliances as Producers of Peace." Invited talk given at the University of Massachusetts, Amherst. (Spring 2012)
9. "Reciprocity and the Structural Determinants of the International Sanctions Network." Invited talk given in the Political Science Department, University of California at Davis. (Fall 2011)
8. "Statistical Inference for Relational (Network) Data using Exponential Random Graph Models." Invited talk given at the Institute of Governmental Affairs, University of California at Davis. (Fall 2011)
7. "Forecasting the Locational Dynamics of Transnational Terrorism: A Network Analytic Approach." Invited talk given at the Naval War College's Strategic Studies Group. (Fall 2011)
6. "The Estimation of Temporal Exponential Random Graph Models via Bootstrap Pseudolikelihood" Invited talk given at the Duke Network Analysis Center, Duke University (Fall 2010).

5. "Bayesian Estimation of Multiple Change-Point Models with Covariates via Reversible Jump Markov Chain Monte Carlo" Invited talk given at the Triangle Political Methodology Group, Duke University (Spring 2009).
4. "Altruism, Participation, and Political Context." Invited talk given at the Unib Institute for Political Science (u^b), University of Bern (Fall 2008).
3. "Nonparametric Imputation for the Social Sciences." Invited talk given at the Unib Institute for Political Science (u^b), University of Bern (Fall 2007).
2. "Nonparametric Analysis for the Social Sciences." Invited talk given at the Center for Applied Statistics, Washington University (Fall 2007).
1. "Hot Deck Imputation for Discrete Data." Invited talk given at the Research Workshop in Applied Statistics in the Institute for Quantitative Social Science, Harvard University (Spring 2007).

Conference Participation

36. "Ratifying Environmental Agreements: A Joint Analysis of Exogenous Influences, Network Dependence, and Spatial Effects" with [Tobias Bohmelt, Benjamin Campbell, Bailey Fosdick, and Frank Marrs] Paper presented at the 2017 Political Networks Meeting in Columbus.
35. "Investigating the Dynamic Interplay Between Political Ideology and One's Social Network: A Longitudinal Study of College Freshmen" [with Paul Stillman, Andrew Luttrell, and Richard Petty] Paper presented at the 2017 Political Networks Meeting in Columbus.
34. "Inferring Influence Networks from Longitudinal Bipartite Relational Data" [with Frank Marrs, Benjamin Campbell, Bailey Fosdick, and Tobias Bohmelt] Paper presented at the 2017 Political Networks Meeting in Columbus.
33. "Triangulating Peace: Network Topology and the Democratic Peace" [with Benjamin Campbell and Bruce A. Desmarais] Poster presented at the 2017 Political Networks Meeting in Columbus.
32. "Cosponsorship Networks in the United Nations" [with Caitlin Clary, Aisha Bradshaw, and Weihua Li] Poster presented at the 2017 Political Networks Meeting in Columbus.
31. "A Three-Degree Horizon for the Peace Making Ability of Defensive Alliances" [with Weihua Li, Aisha Bradshaw, and Caitlin Clary] Paper presented at the 2016 Political Networks Meeting in St. Louis.
30. "Information, Diffusion Dynamics, and the Management of Public Health Crises" [with Elias Assaf, Robert Bond, Eloise Kaizar, David Sivakoff, and Susumu Shikano] Paper presented at the 2016 Political Networks Meeting in St. Louis.
29. "Generalized Exponential Random Graph Models: Statistical Inference for Weighted Graphs" [with Matthew Denny, James Wilson, Bruce Desmarais, and Shankar Bhamidi] Paper presented at the 2016 Political Networks Meeting in St. Louis.
28. "Network Pressures Towards Democracy?" [with Benjamin Campbell and Bruce Desmarais] Poster presented at the 2016 Political Networks Meeting in St. Louis.
27. Bradshaw, Aisha, Philip Leifeld, Weihua Li, Caitlin Clary, and Skyler J. Cranmer. "Common Allies and their Role in Suppressing Bilateral Conflict." Paper presented at the 2015 Political Networks Meeting in Portland.
26. Thurner, Paul, Christian Schmidt, Skyler J. Cranmer, and Goeran Kauermann. "Complex Interdependencies and the Evolution of the Arms Trade Network." Paper presented at the 2015 Political Networks Meeting in Portland.
25. Leifeld, Philip and Skyler J. Cranmer. "The Temporal Network Autocorrelation Model (TNAM)." Paper presented at the 2015 Political Networks Meeting in Portland.
24. Craig, Alison, Skyler J. Cranmer, Bruce A. Desmarais, Chris J. Clark, and Vincent Moscardelli. "Race, Gender and Cosponsorship in the U.S. Congress." Paper presented at the 2015 Political Networks Meeting in Portland.
23. Cranmer, Skyler J. and Philip Leifeld. "TERGM vs SIENA." Paper presented at the 2014 Political Networks Meeting in Montreal.
22. Cranmer, Skyler J. and Philip Leifeld. "A Performance Based Comparison of the Temporal Exponential Random Graph Model (TERGM) and Stochastic Actor Oriented Model (SAOM)" Paper presented at the 2014 annual meeting of the Swiss Political Science Association.
21. Cranmer, Skyler J. and Klaus Armingeon. "Network Dependencies and State Position Taking in the Euro-Crisis." Paper presented at the 2014 annual meeting of the Swiss Political Science Association.

20. Cranmer, Skyler J., Zhengqi Pan, and Lee Foster "Multilateral Pressures for Peace." Paper presented at the 2013 meeting of the International Studies Association in San Francisco.
19. Desmarais, Bruce A. and Skyler J. Cranmer. "Micro-Level Interpretations of Exponential Random Graph Models with Application to Estuary Networks." Paper presented at the 2012 Applications of Social Network Analysis meeting in Zurich, Switzerland.
18. Cranmer, Skyler J. and Bruce A. Desmarais. "What we can Learn from the Predictive Modeling of Conflict." Paper presented at the 2012 Political Networks Meeting in Boulder, Colorado.
17. Desmarais, Bruce A. and Skyler J. Cranmer. "Forecasting the Locational Dynamics of Transnational Terrorism: A Network Analytic Approach." Paper presented at the 2011 Applications of Social Network Analysis meeting in Zurich, Switzerland.
16. Desmarais, Bruce A. and Skyler J. Cranmer. "Statistical Inference for Valued-Edge Networks: The Generalized Exponential Random Graph Model" Paper presented at the 2011 Political Networks meeting in Ann Arbor, Michigan.
15. Desmarais, Bruce A. and Skyler J. Cranmer "Longitudinal Analysis of Social Networks: The Temporal Exponential Random Graph Model." Paper presented at the 2010 Political Networks meeting in Durham, North Carolina.
14. Cranmer, Skyler J., Bruce A. Desmarais, and Elizabeth J. Meninga. "Complex Dependencies in the Alliance Network." Paper presented at the 2010 Annual Meeting of the Midwest Political Science Association in Chicago, Illinois.
13. Desmarais, Bruce A. and Skyler J. Cranmer "Longitudinal Analysis of Social Networks: The Temporal Exponential Random Graph Model." Paper presented at the 2010 Annual Meeting of the Midwest Political Science Association in Chicago, Illinois.
12. Desmarais, Bruce A., Skyler J. Cranmer, and James H. Fowler. "Race, Gender and Cosponsorship in the U.S. Congress." Paper presented at the 2009 Political Networks meeting in Cambridge, Massachusetts.
11. Skyler J. Cranmer. "Bayesian Estimation of Multiple Change- Point Models with Covariates via Reversible Jump Markov Chain Monte Carlo." Paper presented at the 2009 Annual Meeting of the Midwest Political Science Association in Chicago, Illinois.
10. Skyler J. Cranmer. "Bayesian Estimation of Multiple Change- Point Models with Covariates via Reversible Jump Markov Chain Monte Carlo." Paper presented at the 2008 Annual Meeting of the American Political Science Association in Boston, Massachusetts.
9. Cranmer, Skyler J. and Lee Walker "Beyond Reducing Nonresponse Bias: Modeling Nonresponse in Survey Research" Poster Presented at the 2007 Annual Meeting of the Society for Political Methodology in State College, Pennsylvania.
8. Cranmer, Skyler J. "Multiple Imputation for Discrete Data." Poster presented at the 2006 Annual Meeting of the Society for Political Methodology in Davis, California.
7. Cranmer, Skyler J. "Elite and Mass Based Strategies for the Demilitarization of Terrorist and Insurgent Groups." Paper read for the 2006 Annual Meeting of the Midwest Political Science Association in Chicago, Illinois.
6. Cranmer, Skyler J. "Terrorist Violence and Inter-Terrorist Competition." Paper read for the 2006 Annual Meeting of the International Studies Association in San Diego, California.
5. Cranmer, Skyler J. "Offering the Olive Branch: Friendly and Hostile Strategies for the Demilitarization of Terrorist and Insurgent Groups." Paper read at the 2006 Annual Meeting of the Southern Political Science Association in Atlanta, Georgia.
4. Cranmer, Skyler J. "Stopping the Other Shoe: Terrorism, Counter-Terrorism, and the Road to Homeland Security." Paper read at the 2005 Annual Meeting of the Midwest Political Science Association in Chicago, Illinois.
3. Cranmer, Skyler J. "A Mighty Little Belligerent: Why Weak States Provoke Militarized Disputes with Powerful States." Paper read at the 2005 Annual Meeting of the Western Political Science Association in Oakland, California.
2. Koch, Michael T., and Skyler J. Cranmer. 2004. "Testing Dick Cheney: Do Governments of the Left Attract more Terrorism than Governments of the Right?" Paper read at the Peace Science Society Annual Meeting, November 12-14, 2004, at Rice University, Houston, Texas.

1. Cranmer, Skyler J. "Thinking Strategically About Biological Weapons: Offense, Defense, Deterrence, and Power Balance." Paper read at the 2004 Annual Meeting of the International Studies Association in Montreal, Canada.

Courses Taught

Inferential Network Analysis	[OSU]
Linear and Generalized Linear Models	[OSU]
Defense Policy and National Security	[OSU]
Data Visualization	[OSU]
Fundamentals of Research Design	[University of Innsbruck]
Advanced Network Analysis	[ECPR Winter School]
European Integration	[University of Bern]
War and International Conflict Processes	[University of Bern]
Generalized Linear Models	[UNC Poli 787]
Bayesian Methods	[UNC Poli 899]
Introduction to Research Methods	[UNC Poli 181]
American Defense Policy	[UNC Poli 446]
Bayesian Methods	[ICPSR Summer Program]
Bayesian Methods	[Essex Summer Program]

Small Grants (< 100k) and Awards

Mershon Center research grant	[2017]
Mershon Center research grant	[2016]
Best Paper Award (PolNet)	[Summer 2016]
Best Conference Paper Award (PolNet)	[Summer 2015]
UNC Junior Faculty Development Grant	[Summer 2011]
UNC Odum Institute Interdisciplinary Research Seed Grant	[Summer 2009]
UNC University Research Council Grant	[Summer 2009]
UC Davis: Dissertation Research Award	[Fall 2006]
SWOTT Travel Award	[Summer 2006]
UC Davis: Departmental Travel Award [MPSA Chicago]	[Winter 2005]
UC Davis: Departmental Travel Award [ISA San Diego]	[Winter 2005]
UC Davis: Departmental Faculty Collaboration Grant	[Summer 2005]
ICPSR: Study Grant	[Summer 2005]
UC Davis: IGA Travel Award [ICPSR, Ann Arbor]	[Summer 2005]
UC Davis: Departmental ICPSR Award	[Summer 2005]
UC Davis: Departmental Travel Award [MPSA Chicago]	[Winter 2004]
IGCC: Biological Threats Research Fellow	[Summer 2004]
UC Davis: Departmental Research Grant	[Summer 2004]
UC Davis: Departmental Travel Award [ISA Montreal]	[Winter 2003]
UC Davis: First Year Departmental Fellowship	[Fall 2003]
SFSU: Distinguished Achievement Award for Masters Study	[Spring 2003]
SFSU: Distinguished Achievement Award for Undergraduate Study	[Spring 2003]

Doctoral Students Advised and Placed

Bruce Desmarais (Committee member, 2010, Penn State)
Jon Kropko (Committee member, 2011, University of Virginia)
Christopher Dittmeier (Committee member, 2012, US government)
Justin Kirkland (Committee member, 2012, University of Houston)
Kindred (Will) Winecoff (Committee member, 2013, Indiana University)
Elizabeth Menninga (Committee member, 2015, Iowa State University)
Alison Craig (Committee member, 2017, UT Austin)

Professional Service

11. Co-Organizer, Political Networks (PolNet) Conference, 2017
10. Committee Member, Political Ties Award Committee, 2017
9. Co-Founder and Co-Chair: Network Evolution and Technology Collaborative (2014–)
8. Political Methodology (PolMeth) Training Committee (2015)
7. Political Methodology (PolMeth) Program Committee (2012)
6. Political Networks (PolNet) Funding Committee Chair (2012)
5. Member of the Political Networks Executive Committee (2011-2013)
4. Political Networks (PolNet) Funding Committee Member (2011)
3. APSA Division Chair for the Political Networks Section (2011)
2. Political Networks (PolNet) Funding Committee Member (2010)
1. Co-Organizer: Triangle Political Networks Group (TPMG)(2008-2011)